

| REPORT DOCUMENTATION PAGE   |   |  | Form Approved<br>OMB No. 0704-0188 |   |
|---|---|--|------------------------------------|---|
| <small>Public reporting burden for this collection of information is estimated to average 1 hour per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington, DC 20503.</small> |   |  |                                    |   |
| 1. AGENCY USE ONLY (Leave blank)  |   | 2. REPORT DATE<br>November 2003                      |                                    | 3. REPORT TYPE AND DATES COVERED<br>Final Technical, 2003 |
| 4. TITLE AND SUBTITLE<br>Letter Report on Technology Investment for the Defense Advanced Research Projects Agency (DARPA)   |   |  |                                    | 5. FUNDING NUMBERS  |
| 6. AUTHOR(S)<br>Mr. Philip A. Odeen, Task Force Chairman  |   |  |                                    |   |
| 7. PERFORMING ORGANIZATION NAME(S) AND ADDRESS(ES)<br>Defense Science Board<br>Office of the Under Secretary of Defense (Acquisition, Technology & Logistics)<br>3140 Defense Pentagon<br>Room 3D865<br>Washington, DC 20301-3140   |   |  |                                    | 8. PERFORMING ORGANIZATION<br>REPORT NUMBER               |
| 9. SPONSORING/MONITORING AGENCY NAME(S) AND ADDRESS(ES)<br>Defense Science Board<br>Office of the Under Secretary of Defense (Acquisition, Technology & Logistics)<br>3140 Defense Pentagon<br>Room 3D865<br>Washington, DC 20301-3140  |   |  |                                    | 10. SPONSORING/MONITORING<br>AGENCY REPORT NUMBER         |
| 11. SUPPLEMENTARY NOTES   |   |  |                                    |   |
| 12a. DISTRIBUTION AVAILABILITY STATEMENT<br>A: Unlimited Distribution   |   |  |                                    | 12b. DISTRIBUTION CODE                                    |
| 13. ABSTRACT (Maximum 200 words)  |   |  |                                    |   |
| <div style="border: 1px solid black; padding: 10px; display: inline-block;"> 20040112 005 </div>  |   |  |                                    |   |
| 14. SUBJECT TERMS   |   |  |                                    | 15. NUMBER OF PAGES<br>3                                  |
|   |   |  |                                    | 16. PRICE CODE  |
| 17. SECURITY CLASSIFICATION<br>OF REPORT<br>UNCLA   | 18. SECURITY CLASSIFICATION<br>OF THIS PAGE<br>UNCLAS | 19. SECURITY CLASSIFICATION<br>OF ABSTRACT<br>UNCLAS | 20. LIMITATION OF ABSTRACT<br>N/A  |   |



# **Defense Science Board**

**Task Force on Technology  
Investment for the Defense  
Advanced Research Projects  
Agency (DARPA)**

## **Letter Report**

**November 2003**



DEFENSE SCIENCE  
BOARD

OFFICE OF THE SECRETARY OF DEFENSE

3140 DEFENSE PENTAGON  
WASHINGTON, DC 20301-3140

NOV 17 2003

MEMORANDUM FOR ACTING UNDER SECRETARY OF DEFENSE  
(ACQUISITION, TECHNOLOGY & LOGISTICS)

SUBJECT: Final Report of the Defense Science Board (DSB) Task Force on  
Technology Investment for the Defense Advanced Research Projects  
Agency (DARPA)

I am pleased to forward the final summary review of the DSB Task Force on Technology Investment for the Defense Advanced Research Projects Agency (DARPA). The task force was asked to perform a one time evaluation of DARPA's current technology portfolio to confirm that their advanced research projects are based on sound, proven scientific and technological foundations, practices and methods, and are of high value to DoD's operational missions.

The following summary is forwarded for your review.

A handwritten signature in black ink, reading "William Schneider, Jr.", is positioned above the typed name. The signature is stylized with a large, sweeping "S" and a long horizontal line extending to the right.

William Schneider, Jr.  
DSB Chairman



DEFENSE SCIENCE  
BOARD

OFFICE OF THE SECRETARY OF DEFENSE  
3140 DEFENSE PENTAGON  
WASHINGTON, DC 20301-3140

NOV 14 2003

**MEMORANDUM FOR CHAIRMAN, DEFENSE SCIENCE BOARD**

**SUBJECT: Final Report of the Defense Science Board Task Force on the Technology Investment for the Defense Advanced Research Projects Agency (DARPA)**

As requested by the Under Secretary of Defense (Acquisition, Technology, and Logistics) and the Director DARPA, the task force performed a one-time independent evaluation of the technology investment for the Defense Advanced Research Projects Agency (DARPA). Task force members reviewed all of the projects in DARPA's current technology portfolio (both unclassified and classified) and assessed each research effort based upon the following criteria:

- It appears to have scientific merit, and
- It would be of high value to DoD's operational missions.

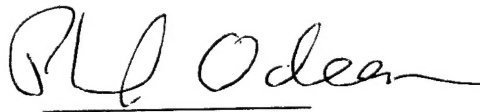
After a summary review of the current DARPA technology portfolio, the task force found no programs that appeared to have obvious ethical issues, that had insurmountable technical impediments, or that could not be of high value to DoD. Though no significant items were uncovered, task force members did identify a number of minor issues with specific programs that should be addressed by DARPA. The nature of these issues include technical objectives that seemed overly ambitious, program titles that did not accurately reflect the research performed, or program documentation that needed to be better cast for a general audience. These specific items were addressed with DARPA staff and appropriate actions are being taken.

Additionally, areas of particular sensitivity that require continued attention from DARPA management include:

- Human and animal testing protocols: DARPA uses protocols established by DoD for human and animal testing. DARPA is encouraged to establish a process that will ensure that these safeguards are indeed being followed by DARPA Agents.

- Sensitivity to environmental issues: DARPA must continue to be very sensitive to the potential impact of their research efforts on the environment.

We thank the task force members for their efforts and contributions. We also thank Dr. Tony Tether for the time he spent with us and our Executive Secretary, Mr. Ron Kurjanowicz, for his help and insight.

A handwritten signature in cursive script, reading "Phil Odeen". The signature is written in dark ink and is positioned above a horizontal line.

Mr. Phil Odeen